Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A ~~four port~~ circulator comprising:

a first input port operable to receive light of a first and a second polarization;

a polarization beam splitter optically coupled to the first input port and operable to reflect the light of the first polarization and pass the light of the second polarization;

a ~~first~~ reflector optically coupled ~~with~~ to the polarization beam splitter;

a ~~first~~ non-reciprocal device optically coupled to the ~~first~~ reflector and operable to convert the light of the first polarization into light of the second polarization;

~~a second non-reciprocal device coupled to the polarization beam splitter; and~~

~~a second reflector coupled with the polarization beam splitter.~~

a first output port operable to receive light of the second polarization from the non-reciprocal device; and

a second output port operable to receive light of the second polarization from the polarization beam splitter.

2. (Currently amended) The ~~four port~~ circulator of claim 1, further comprising an isolator optically coupled ~~with~~ to the polarization beam splitter.

3. (Currently amended) The ~~four port~~ circulator of claim 1, further comprising a polarizer optically coupled ~~with~~ to the ~~first~~ non-reciprocal device.

4. (Canceled)

5. (Currently amended) The ~~four port~~ circulator of claim 1, further comprising an isolator optically coupled ~~with~~ to the ~~first~~ reflector.

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6. (Currently amended) The ~~four port~~ circulator of claim 1, wherein the ~~first~~ non-reciprocal device includes a half wave plate and a Faraday rotator.

7. (Canceled)

8. (Currently amended) A method for transmitting light among a first ~~port, a second~~ input port, a ~~third~~ first output port, and a ~~fourth~~ second output port, the light having either a first polarization or a second polarization, the method comprising:

~~sending a first forward~~ transmitting a light signal including a first and a second component having a first and second polarization, respectively, from the first port with the first polarization onto a polarization beam splitter;

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directing the first ~~forward~~ component of light onto a first reflector;

reflecting the first ~~forward~~ component of light onto a first non-reciprocal device;

changing the polarization of the first ~~forward~~ component of light from the first polarization to a second polarization; ~~and~~

directing the first ~~forward~~ component of light into ~~the second~~ a first output port;

directing the second component of light onto a second non-reciprocal device;

maintaining the polarization of the second component of light as the second component passes through the second non-reciprocal device; and

directing the second component of light into the second output port.

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Currently amended) The method of claim 8, wherein ~~the step of~~ directing the first ~~forward~~ component of light into the ~~second~~ first output port includes:

~~is a step of~~ directing the first ~~forward~~ components of light into the ~~second~~ first output port through a polarizer.

13. (Currently amended) The method of claim ~~9~~ 8, wherein ~~the step of~~ directing the second ~~forward~~ component of light into the ~~third~~ second output port ~~is a step of~~ includes:

directing the second ~~forward~~ component of light into the ~~third~~ second output port through a polarizer.

14. (Currently amended) The method of claim 8, wherein ~~the step of sending~~ transmitting a first and a second forward component of light ~~with the first polarization~~ onto a polarization beam splitter ~~is a step of~~ includes:

sending the first and the second ~~forward~~ component of light ~~with the first polarization~~ onto a polarization beam splitter through an isolator.

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (New) A circulator, comprising:

first and second input ports, the first and second input ports each being operable to receive light of a first polarization;

a first reflector optically coupled to the first input port;

a non-reciprocal device optically coupled to the second input port and operable to convert light of the first polarization into light of a second polarization;

a polarization beam splitter optically coupled to the first reflector and to the non-reciprocal device, and operable to pass light of the first polarization and reflect light of the second polarization;

a second reflector optically coupled to the polarization beam splitter; and

an output port optically coupled to the second reflector and operable to receive light of the first polarization and light of the second polarization.

19. (New) The circulator of claim 18, further comprising a polarizer optically coupled to the non-reciprocal device.

20. (New) The circulator of claim 18, further comprising an isolator optically coupled to the second reflector.

21. (New) The circulator of claim 18, wherein the non-reciprocal device includes a half wave plate and a Faraday rotator.